



MAP EXPLANATION

Recently active faults mapped by Bryant (this report), based on air photo interpretation and limited field mapping (indicated by f/c and date). Solid line indicates well-defined feature, dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty; hatchures indicate extent and direction scarp faces.

Recently active faults mapped by Rowley and McRae (1985). Traces partly based on Geomechanics (1978).

Locality referred to in text.

Fault is well-defined and/or was verified as exhibiting geomorphic evidence of latest Pleistocene to Holocene displacement by Bryant (this report).

Fault is not well-defined and/or was not verified as exhibiting geomorphic evidence of latest Pleistocene to Holocene displacement by Bryant (this report).

Location and orientation of trench excavation. Evidence of possible Holocene activity exposed in trench indicated in red. Location of trench less than 100 feet indicated by X.

GEOMORPHIC FEATURES INDICATIVE OF FAULT REGENCY AND/OR LOCATION, BASED ON AIR PHOTO INTERPRETATION AND FIELD MAPPING BY BRYANT (THIS REPORT)

b - bench	ld - linear drainage
bd - beheaded drainage	lr - linear ridge
bs - break in slope	pa - ponded alluvium
cd - closed depression	s - saddle
dd - deflected drainage	sb - sidehill bench
dr - right lateral	sr - shutter ridge
ll - left lateral	t - tonal lineament
dno - drainage not offset	tr - trough

Figure 3 (to FER-232). Special Studies Zones Map of the Cordelia quadrangle, showing fault rupture hazard investigations along the Green Valley fault filed with DMG since the revised SSZ Map was issued in July 1983. Traces of the Green Valley fault recommended for zoning are highlighted in green. Refer to Bryant (1982) (FER-126) for sources of fault traces zoned in 1983.

STATE OF CALIFORNIA
SPECIAL STUDIES ZONES
Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code
(Alquist-Priolo Special Studies Zones Act)

CORDELIA QUADRANGLE
REVISED OFFICIAL MAP
Effective: July 1, 1983

State Geologist

REFERENCES USED TO COMPILE FAULT DATA

Cordelia Quadrangle

Bryant, W.A., 1981, Green Valley fault zone, Cordelia and Mt. George quadrangles: California Division of Mines and Geology Fault Evaluation Report FER-126 (unpublished).

Bryant, W.A., 1981, Cordelia fault, Cordelia and Mt. George quadrangles: California Division of Mines and Geology Fault Evaluation Report FER-127 (unpublished).

Dames and Moore, 1972, Engineering-geology and seismic evaluation, proposed multi-use development, Cordelia, California: Unpublished consulting report for Cordelia Properties, Ltd., 6 p., 1 appendix, 4 plates.

Frizzell, V.A., Jr. and Brown, R.D., Jr., 1976, Map showing recently active breaks along the Green Valley fault, Napa and Solano Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-743.

Herd, D.G., 1981, Late Quaternary faults in the Cordelia 7.5-minute quadrangle, California: U.S. Geological Survey unpublished map (tentatively scheduled for publication as a Miscellaneous Field Studies Map, scale 1:250,000).

For additional information on faults in this map area, the rationale used for zoning, and additional references consulted, refer to unpublished Fault Evaluation Reports on file at the San Francisco District Office of CDMG.

IMPORTANT - PLEASE NOTE

- 1) This map may not show all faults that have the potential for surface fault rupture, either within the special studies zones or outside their boundaries.
- 2) Faults shown are the basis for establishing the boundaries of the special studies zones.
- 3) The identification and location of these faults are based on the best available data. However, the quality of data used is varied. Traces have been drawn as accurately as possible at this map scale.
- 4) Fault information on this map is not sufficient to serve as a substitute for the geologic site investigations (special studies) required under Chapter 7.5 of Division 2 of the California Public Resources Code.